

IN THE SPECIFICATION:

Please replace the Abstract with the following new Abstract:

A method and evolutionary system for en route air traffic control designed to automatically solve conflicts between pairs of aircraft by minor speed adjustments that do not interfere with the rest of the air traffic and that are invisible to air traffic controllers. The system detects potential conflicts and communicates the desired speed or time of rendezvous at the converging point to be automatically performed by aircraft autopilots. Overcoming the constraint of uniqueness of responsibility in a given airspace, the system associated with the method opens a new field for air traffic control automation in automatically “dissolving” most of the conflicts without interfering with the controllers’ independence and responsibilities. Associate systems, which fully benefit from the data links with the aircraft, provide interfaces concerning conflict avoidance between the computer and the controllers at different stages of the evolution of the system and different forms of implementation.